



U.S. Department  
of Transportation  
Pipeline and  
Hazardous Materials  
Safety Administration

400 Seventh Street, S.W.  
Washington, D.C. 20590

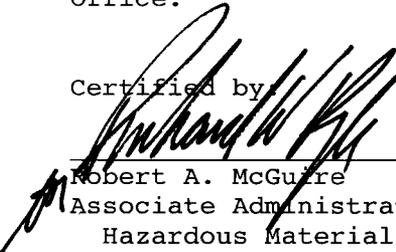
IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE NUMBER USA/0366/S, REVISION 5

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive materials.

1. Source Identification - Gammatron Model GT-GHP.
2. Source Description - Cylindrical welded double encapsulation made of K-Monel 500 (USN N05500) or Armco 17-4 (USN S17400). Approximate outer dimensions are 6.35 mm (0.25 in.) in diameter and 12.7 mm (0.5 in.) to 31.75 mm (1.25 in.) in length. Construction shall be in accordance with attached Gammatron Drawing No. A-3000.
3. Radioactive Contents - No more than 0.037 TBq (1.0 Ci) of Cesium-137 as glass microspheres, 0.037 TBq (1.0 Ci) of Cobalt-60 as metallic pellets or wire, or 0.0037 TBq (0.1 Ci) of Californium-252 as metallic pellets or wire.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires August 31, 2010.

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated August 1, 2005 submitted by Gammatron, Houston, TX, and in consideration of other information on file in this Office.

Certified by

  
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

AUG 19 2005

(DATE)

Revision 5 - Issued to extend the expiration date.

1 "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

A .250" ± .010

B .50" min. 1.250" max.

C .060 min. Minimum thickness applies.

D .028 minimum

E .190 maximum

F B minus D + C

G .20 minimum

H .028 minimum

I

J .20 maximum

USE THIS DRAWING WITH SPECIFICATION SHEET SS-3000

# GAMMATRON

SCALE: NONE

APPROVED BY

DRAWN BY

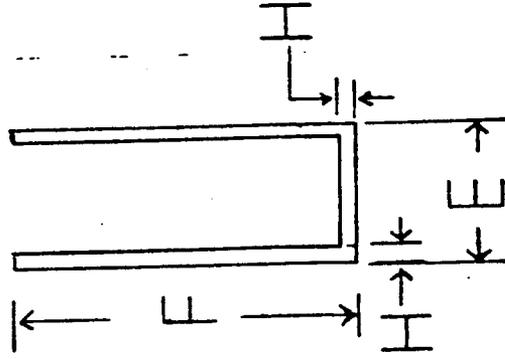
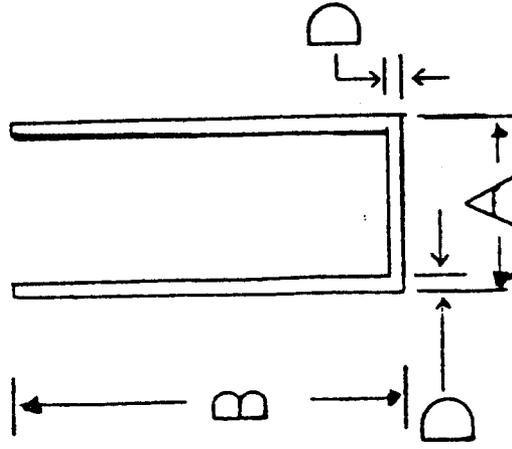
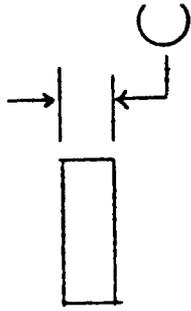
DATE:

DCJ

## GT-GHP

SIZE — .250 x .5 through 1.25

DRAWING NUMBER  
A-3000



Helium Welds

